

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12-18-01 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

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| <p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. ___ Color drawings are not acceptable until petition is granted. Fig(s) _____ ___ Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b) ___ 1 full-tone set is required. Fig(s) _____ ___ Photographs may not be mounted. 37 CFR 1.84(e) ___ Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c) ___ Paper not flexible, strong, white, and durable. Fig(s) _____ ___ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____ ___ Mylar, velum paper is not acceptable (too thin). Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: ___ 21.0 cm by 29.7 cm (DIN size A4) ___ 21.6 cm by 27.9 cm (8 1/2 x 11 inches) ___ All drawing sheets not the same size. Sheet(s) _____ ___ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) _____ ___ Top (T) ___ Left (L) ___ Right (R) ___ Bottom (B)</p> <p>6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) ___ Brackets needed to show figure as one entity. Fig(s) _____ ___ Views not labeled separately or properly. Fig(s) _____ ___ Enlarged view not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) ___ Hatching not indicated for sectional portions of an object. Fig(s) _____ ___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p> | <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) ___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k) ___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(j) ___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>1,2</u></p> <p>11. SHADING. 37 CFR 1.84(m) ___ Solid black areas pale. Fig(s) _____ ___ Solid black shading not permitted. Fig(s) _____ ___ Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) ___ Numbers and reference characters not plain and legible. Fig(s) <u>1,2</u> ___ Figure legends are poor. Fig(s) <u>1,2</u> ___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____ ___ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____ ___ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q) ___ Lead lines cross each other. Fig(s) _____ ___ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) ___ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u) ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w) ___ Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152 ___ Surface shading shown not appropriate. Fig(s) _____ ___ Solid black shading not used for color contrast. Fig(s) _____</p> |
| COMMENTS | |

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REVIEWER J. C. YASS DATE 3-7-03 TELEPHONE NO. 7033058430

ATTACHMENT TO PAPER NO. 11

REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. PA, Fig. PB, Fig. PC, etc. The specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. **Correction of Drawings - 37 CFR 1.85**

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

2. **Timing for Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL 37).

Failure to take corrective action within set period will result in **ABANDONMENT** of the Application.

3. **Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948**

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.

1. DRAWINGS: 37 CFR 1.84(a). Acceptable margins of drawings:
 Black ink. Color drawings are not acceptable and position is treated as if they were black ink.
 Color drawings are not acceptable and position is treated as if they were black ink.
 Fig(s) _____
 Paper not flexible, strong, white, and durable.
 Fig(s) _____
 Excesses, dimensions, overwriting, interferences, etc.
 Fig(s) _____
 Methyl vinyl ketone paper is not acceptable (see 37 CFR 1.84(a)).
 Fig(s) _____
 2.0 cm by 20.7 cm (DIN size A4).
 21.6 cm by 27.9 cm (8 1/2" x 11 inches).
 All drawing sheets not the same size.
 3. MARGINS: 37 CFR 1.84(g). Acceptable margins:
 Top 2.5 cm (1 inch), Right 1.5 cm (5/8 inch), Bottom 1.0 cm (3/8 inch), Left 1.5 cm (5/8 inch).
 Fig(s) _____
 SIZE: A4 size.
 4. VIEWS: 37 CFR 1.84(f).
 REMINDER: Specification may require revision to correspond to drawing changes.
 Partial views: 37 CFR 1.84(h)(3).
 Brackets needed to show figure as one entity.
 Fig(s) _____
 Views not labeled separately or properly.
 Fig(s) _____
 Changed view not labeled separately or properly.
 Fig(s) _____
 5. SECTIONAL VIEWS: 37 CFR 1.84(h)(2).
 Hatching not indicated for sectional portions of an object.
 Fig(s) _____
 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(i).
 Views not arranged in a logical order.
 Fig(s) _____
 Lines, numbers & letters not uniformly thick and well defined, clear, durable, and black (good line quality).
 Fig(s) _____
 Solid black shading not used for color contrast.
 Fig(s) _____
 Surface shading shown for appropriate. Fig(s) _____

13. LEAD LINES: 37 CFR 1.84(j).
 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.84(i).
 Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS: 37 CFR 1.84(i).
 Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) _____

16. CORRECTIONS: 37 CFR 1.84(e).
 Corrections not made from prior PTO-948 sheet.
 Fig(s) _____

17. DESIGN DRAWINGS: 37 CFR 1.152.
 Solid black shading not used for color contrast. Fig(s) _____
 Surface shading shown for appropriate. Fig(s) _____

18. COMMENTS

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